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RURAL DISTRICT

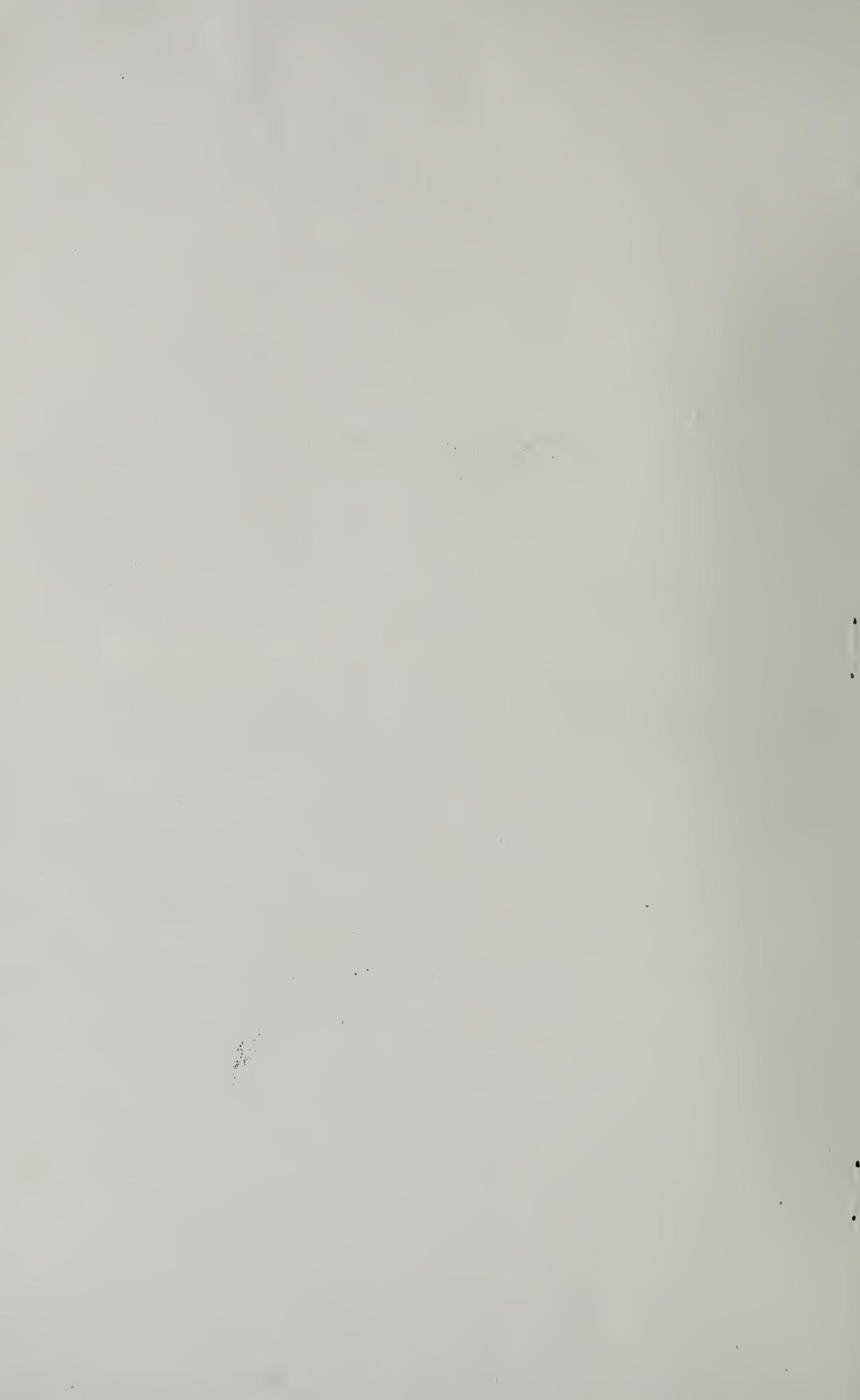
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# ANNUAL REPORT

OF THE

Medical Officer of Health

For the Year 1940



DORKING AND HORLEY RURAL DISTRICT  
COUNCIL.

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STAFF OF THE PUBLIC HEALTH DEPARTMENT.

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Medical Officer of Health:  
Cyrus Ive, M.B., B.S. (Lond.), M.R.C.S. (Eng.), L.R.C.P. (Lond.),  
D.P.H.

Chief Sanitary Inspector:  
+F. E. Traviss, M.R.San.I.

Sanitary Inspectors:  
G. Sawyer, A.M.Inst.M.&Cy.E., A.R.San.I.  
T. H. Lee, A.R.San.I.

Sanitary Inspector's Assistant:

A. R. Head.

Clerical Staff.

✉ K.G. Bewick, M.R.San.I., M.S.I.A.      " C.H. Argent.

" P. Hunt and = Miss B. Birdseye.  
Clerical Assistants to Medical Officer of Health.

Miss M. Jennings and Miss Brown.  
Clerical Assistants to Sanitary Inspector. .

(The Medical Officer of Health and his  
clerical assistants act in a similar  
capacity for the Borough of Epsom and Ewell,  
and the Dorking and Leatherhead Urban  
Districts.)

- + Also Surveyor for new  
buildings and Sewage Works.
- ✉ H.M. Forces 10.6.40
- ✉ Commenced duties 10.6.1940.
- " H.M. Forces 1.9.1939.
- = Commenced duties 13.9.1939.



DORKING AND HORLEY RURAL DISTRICT.

1 Statistics and Social conditions for the Area.

Area (Acres) .....	53,718
Population (Census 1931) .....	18,485
Populations (Estimated mid-year 1940)	
(a) for calculation of Birth-Rate.....	20,060
(b) for calculation of Death rate and incidence of notifiable diseases.....	20,060

Extracts from Vital Statistics for the year.

Live births for the calculation of Birth rates:-

	Total	M.	F.	
	324	150	174	Birth Rate per
Legitimate	306	143	163	1,000 of the
Illegitimate	18	7	11	estimated resident

population. 13.47

Live births for the calculation of Infant & Maternal  
Mortality rate:-

	Total	M.	F.	
	338	158	180	.
Legitimate	319	151	168	
Illegitimate	19	7	12	
Still Births	Total	M.	F.	
	6	3	3	Rate per 1,000
Legitimate	6	3	3	total live and
Illegitimate	-	-	-	still births. 18.18

Deaths (net) Crude death rate 12.30  
Adjusted death rate 11.44

Deaths of infants under 1 year of age:-

	Total	M.	F.
	17	7	10
Legitimate	15	6	9
Illegitimate	2	1	1

Death Rate of all infants per 1,000 live births..... 50.29

Death Rate of Legitimate infants per 1,000 legitimate  
live births.... 47.02

Death Rate of Illegitimate infants per 1,000 illegitimate  
live births.... 105.26

Deaths from Puerperal Causes:-

	<u>Deaths</u>	<u>Rate per 1,000 total (live and still) births.</u>
Puerperal Sepsis	Nil	
Other Puerperal Causes	Nil	Nil %



## Statistics and Social Conditions of the Area. (Continued)

### Deaths from:-

Measles (all ages) ...	...	Nil
Whooping Cough (all ages) ...	...	Nil
Diarrhoea (under two years of age) ...	...	2
Cancer (all ages) ...	...	44

### 2. General Provisions of Health Services for the Area.

No alterations of note have occurred during the year.

### Laboratory Facilities.

During the year 1940 the number of laboratory examinations made was as follows:-

For the diagnosis of Diphtheria	110
" " " Tuberculosis	27
" " " Enteric Fever	4
" " " Haemolytic Streptococci	<u>78</u>
	<u>219</u>

### Report of Chief Sanitary Inspector.

### 3. Sanitary Circumstances of the Area.

No alterations of note have occurred during the year.

### Inspections (Including Re-Inspections)

Dwelling-houses	...	...	...	42
Factories	...	...	...	87
Workshops	...	...	...	28
Work places	...	...	...	109

### Drainage and Sewerage.

Houses connected to sewer ...	...	...	117
Refuse disposed of at Reigate Corporation -			
Charlwood.	74	tons.	
Holmwood.	105	tons.	
Horley.	<u>1,246</u>	tons.	
	<u>1,425</u>	tons.	

### 4. Inspection and Supervision of Food.

#### Milk.

Cowkeepers & Dairymen etc....	...	200
Registered Retailers	...	103
Inspections	...	333
Number of cowsheds paved and drained		2



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PREVALENCE OF, AND CONTROL OVER, INFECTIOUS  
DISEASE.

(1) NOTIFIABLE INFECTIOUS  
DISEASE.

Table V shows the total of the various infectious diseases notified during 1940, classified according to age, together with the number of cases removed to hospital and the deaths from each disease. Table VI shows the incidence of notifiable infectious disease in the various parishes.

Smallpox. No case of smallpox was notified during the year. No primary vaccination or re-vaccination was performed by the Medical Officer of Health under the Public Health (Prevention of Smallpox) Regulations, 1917.

Scarlet Fever. Nineteen cases of Scarlet Fever were notified, compared with seventeen in 1939. The case-rate per thousand of population was 0.79, compared with the rate of 1.63 for England and Wales as a whole.

Of the nineteen cases notified, seventeen were admitted to the Reigate Joint Isolation Hospital for treatment. The remaining two cases were nursed in their own homes.

Five other patients were admitted to hospital suspected of suffering from Scarlet Fever, but in these cases the diagnosis was not confirmed.

Diphtheria. Three cases of diphtheria were notified, compared with one in 1939, giving a case-rate for the year of 0.12 per thousand population, compared with the rate of 1.16 for England and Wales.

Three other patients were admitted to hospital for observation for the disease. The diagnosis in these cases was not confirmed.

Diphtheria Immunisation. Further progress has been made with the Council's scheme for immunisation against diphtheria, and 281 children attending elementary schools or County Council Welfare Clinics received the treatment during the year.

TUBERCULOSIS.

Particulars of twenty-eight new cases of tuberculosis which came to the notice of the Medical Officer of Health during the year are set out in Table VII, together with an analysis of the deaths in the area from this disease during the same period.

The new cases include, in addition to those officially notified, eleven patients who came into the district from other areas in which they had already been notified.

There were six deaths from pulmonary tuberculosis, representing an annual death rate of 0.25 per thousand of the population. Two deaths were certified as due to non-pulmonary tuberculosis, the death rate being 0.08. The total tuberculosis death rate for the district was, therefore 0.33 per thousand.



Table 1 shows a comparison of vital statistics of the DORKING AND HORLEY RURAL DISTRICT for the past eight years with similar figures for the whole of ENGLAND AND WALES.

Table 1.

YEAR.	Annual Birth-rate per 1,000 population		Annual Death-Rate per 1,000 population.		Annual Infant Mortality rate +	
	England & Wales	Dorking & Horley	England & Wales	Dorking & Horley.	England & Wales	Dorking & Horley
1933	14.4	13.4	12.3	12.2	64	25.9
1934	14.8	14.7	11.8	12.2	59	66.2
1935	14.7	14.2	11.7	11.3	57	32.9
1936	14.8	14.2	12.1	12.6	59	52.6
1937	14.9	15.6	12.4	11.8	58	32.4
1938	15.1	14.7	11.6	11.1	53	49.7
1939	15.0	13.8	12.1	12.4	50	57.4
1940	14.6	13.4	14.3	12.3	55	50.2

The local death rate figures in parentheses have been adjusted by the areal comparability factor.

+ i.e., Deaths of children under one year of age per thousand live births.



TABLE 11.

CAUSES OF DEATH IN THE  
RURAL DISTRICT OF DORKING AND HORLEY

Causes of Death.	M.	F.	Total.
1. Typhoid and Paratyphoid Fevers ..	-	-	-
2. Cerebro-spinal Fever .. ..	2	1	3
3. Scarlet Fever .. .. ..	-	-	-
4. Whooping Cough .. .. ..	-	-	-
5. Diphtheria .. .. ..	-	-	-
6. Tuberculosis of Respiratory System	3	3	6
7. Other forms of Tuberculosis ..	-	2	2
8. Syphilitic Disease .. ..	2	-	2
9. Influenza	-	2	2
10. Measles .. .. ..	-	-	-
11. Acute Poliomyelitis and Polioencephalitis .. ..	-	-	-
12. Acute Infectious Encephalitis ..	-	-	-
13.m Cancer of Buccal Cavity and Oesophagus (males) ..	1	-	1
13.f Cancer of Uterus .. ..	-	5	5
14. Cancer of Stomach and Duodenum ..	1	5	6
15. Cancer of Breast .. ..	0	7	7
16. Cancer of all other Sites ..	10	15	25
17. Diabetes .. .. ..	3	-	3
18. Intra-cranial Vascular Lesions ..	17	15	32
19. Heart Disease .. .. ..	32	44	76
20. Other Diseases of the Circulatory System .. .. ..	7	1	8
21. Bronchitis .. .. ..	12	9	21
22. Pneumonia .. .. ..	10	8	18
23. Other Respiratory Diseases ..	1	-	1
24. Ulceration of the Stomach or Duodenum .. .. ..	3	-	3
25. Diarrhoea (under 2 years of age)	1	1	2
26. Appendicitis .. .. ..	-	1	1
27. Other Digestive Diseases ..	8	3	11
28. Nephritis .. .. ..	1	2	3
29. Puerperal and Post-abortive Sepsis	-	-	-
30. Other Maternal Causes .. ..	-	-	-
31. Premature Birth .. .. ..	1	2	3
32. Congenital Malformations, Birth Injury, Infantile Disease ..	5	4	9
33. Suicide .. .. ..	-	1	1
34. Road Traffic Accidents .. ..	3	3	6
35. Other Violent Causes .. ..	6	4	10
36. All Other Causes .. .. ..	11	18	29
	140	156	296



Table 111.

## BIRTH-RATES, AND ANALYSIS OF MORTALITY DURING THE YEAR.

DISTRICTS	LIVE BIRTHS	STILL BIRTHS	ALL CAUSES +	Tuberculosis and Paratyphoid Fevers.	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Diphtheria and Enteritis (under two years)	Total Deaths under 1 year	Rate per 1,000 live Births.
England & Wales	14.6	0.55	14.3	0.00	0.00	0.02	0.00	0.02	0.06	0.32	4.6	55.0
Dorking Urban District	12.91	0.63	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	37.28
Borough of Epsom & Ewell	13.2	0.44	9.1	0.00	0.00	0.02	0.00	0.00	0.00	0.14	8.2	30.6
Leatherhead Urban District	13.02	0.55	10.28	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.1
Dorking & Horley Rural District	13.47	0.25	11.44	0.00	0.00	0.00	0.00	0.00	0.00	0.08	5.92	50.29

+The district death rates (all causes only) have been adjusted by an area comparability factor to eliminate variations in rates due to difference in population constitution.



Table IV.

## MATERNAL MORTALITY.

DISTRICT.	Rate per 1,000 total births.		
	Puerperal Septis	Other Puerperal Causes.	Total
England and Wales.	0.52	1.64	2.16
Dorking Urban District.	0.00	0.00	0.00
Borough of Epsom and Ewell.	0.00	0.00	0.00
Leatherhead Urban District.	0.00	0.00	0.00
Dorking & Horley Rural District.	0.00	0.00	0.00
DEATH RATES FROM TUBERCULOSIS.			
DISTRICT.	Rate per 1,000 population.		
	Pulmonary Tuberculosis.	Non Pulmonary Tuberculosis.	All Forms.
England and Wales (Provisional)	0.66	0.13	0.79
Dorking Urban District.	0.29	0.10	0.39
Borough of Epsom and Ewell.	0.52	0.08	0.60
Leatherhead Urban District.	0.20	0.04	0.24
Dorking & Horley Rural District.	0.25	0.08	0.33

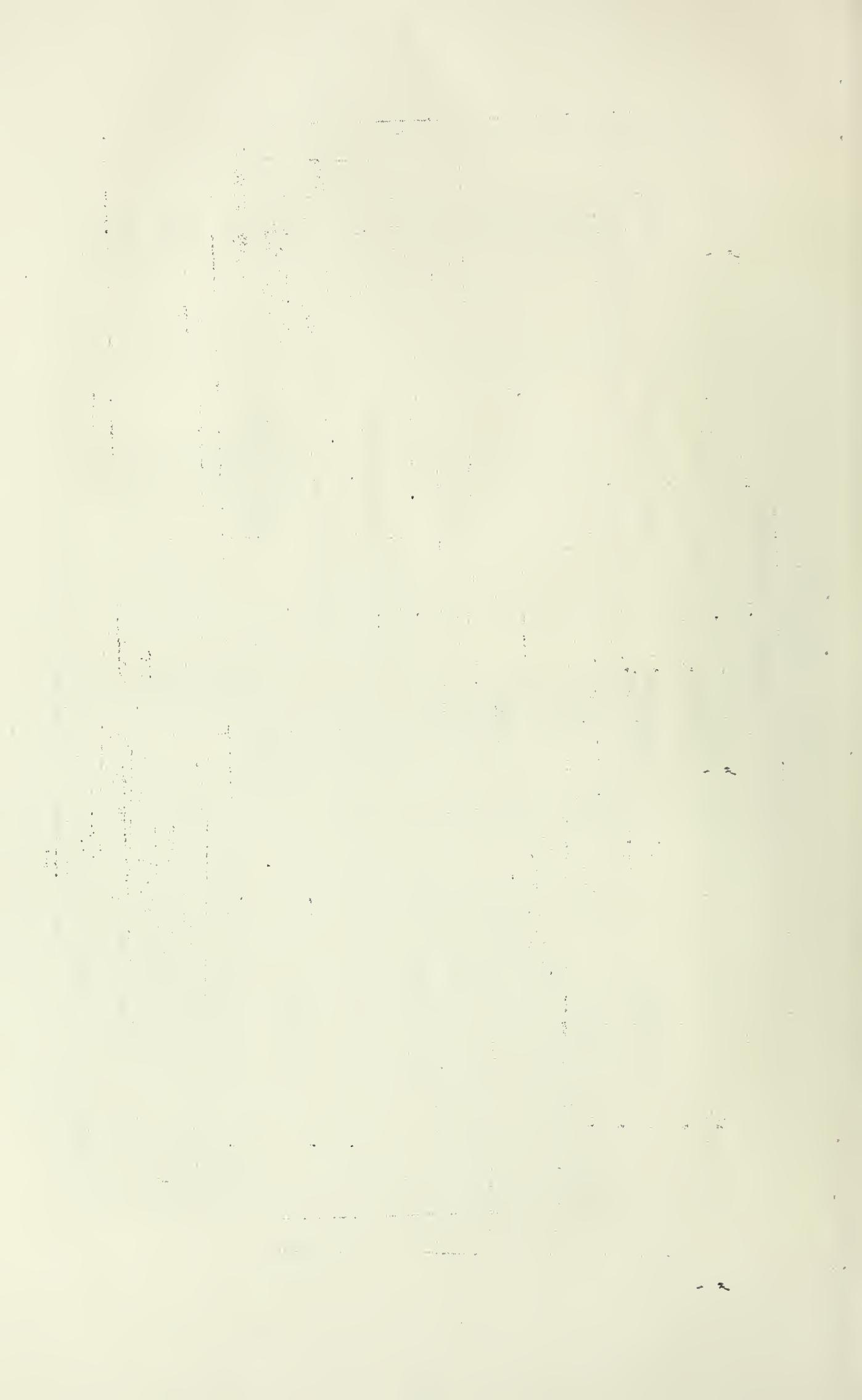


Tabelle V



VI



Table - VII.

Age Period	New Cases						Deaths					
	Pulmonary		Non-Pulmonary		Pulmonary		M		F		M	
	M	F	M	F	M	F	M	F	M	F	M	F
Under 1.	-	-	-	-	-	-	-	-	-	-	-	-
1 - 5	-	-	1	2	-	-	-	-	-	-	1	-
5 - 10	-	-	2	1	-	-	-	-	-	-	-	-
10 - 15	-	1	-	1	-	-	-	-	-	-	-	-
15 - 20	1	-	-	-	1	-	1	-	-	-	-	-
20 - 25	1	1	5	-	-	-	-	-	2	-	-	-
25 - 35	-	-	-	-	-	-	-	-	-	-	-	-
35 - 45	3	3	-	-	-	-	2	-	-	-	-	-
45 - 55	-	1	1	-	-	-	-	-	-	-	1	-
55 - 65	1	-	-	-	-	-	-	-	-	-	-	-
65 and upwards	2	1	-	-	-	-	-	-	1	-	-	-
Totals	7	12	4	5	3	3	4	2	4	2	2	2

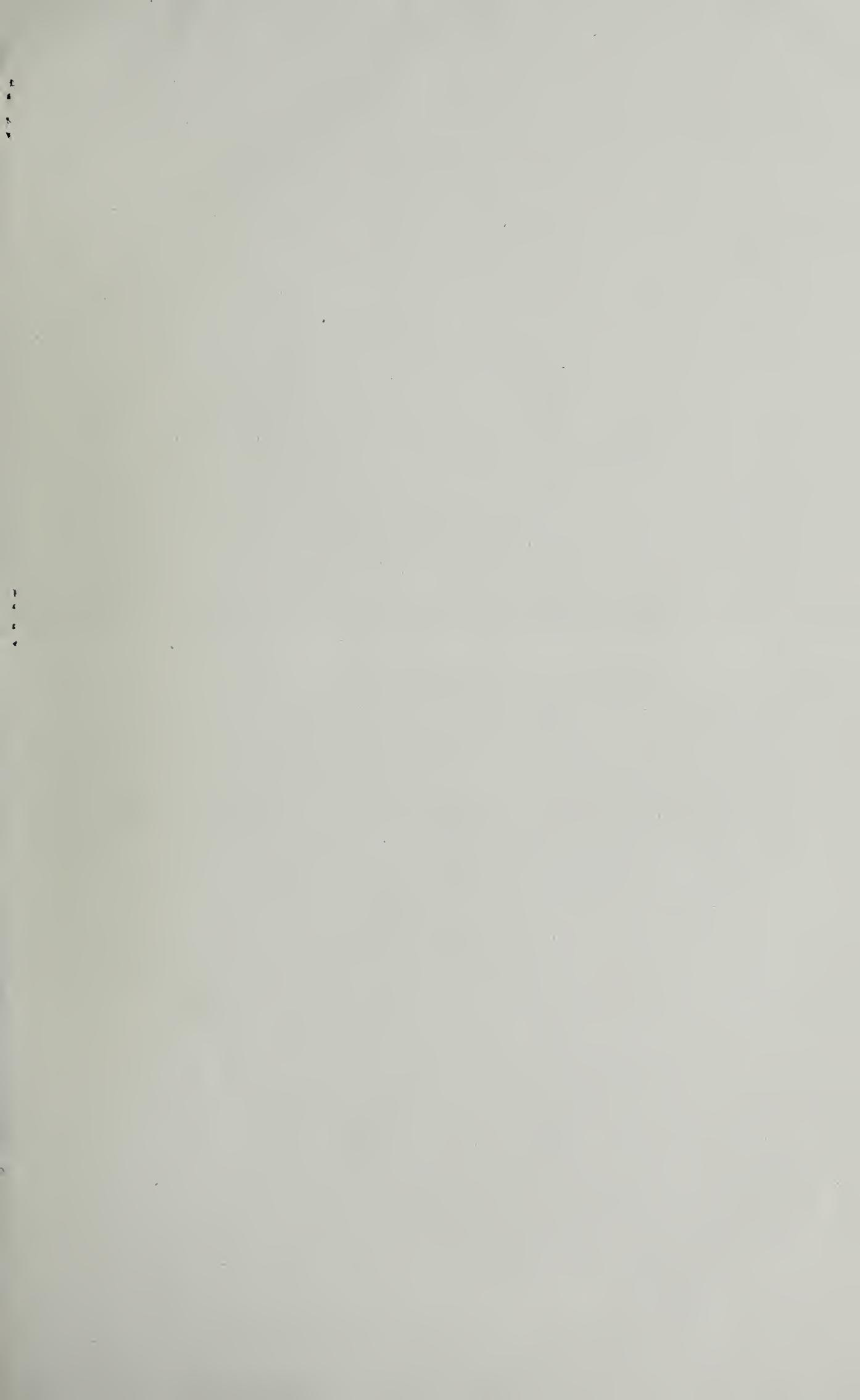


Table VIII.

Comparative crude birth rates, death rates, analysis of mortality, maternal death rates and case rates for certain infectious diseases in the year 1940:-

	England and Wales.	126 County Boroughs and Great Towns including London.	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census)	London Administrative County.	Dorking & Horley Rural District
<b>Births-</b>	Rates per 1,000 Population.				
Live Still ..	14.6 0.55	16.0 0.64	15.7 0.55	13.7 0.44	13.47 0.25
<b>Deaths-</b>					
All Causes..	14.3	15.8	12.8	17.8	12.30
Typhoid and Para typhoid Fevers	0.00	0.00	0.00	0.00	0.00
Smallpox ..	-	-	-	-	-
Measles ..	0.02	0.02	0.02	0.01	0.00
Scarlet Fever	0.00	0.00	0.00	0.00	0.00
Whooping Cough	0.02	0.02	0.02	0.00	0.00
Diphtheria ..	0.06	0.07	0.05	0.01	0.00
Influenza ..	0.32	0.29	0.30	0.18	0.08
<b>Notifications-</b>					
Cerebro Spinal Fever ..	0.32	0.33	0.29	0.28	0.25
Measles ..	10.24	1.23	9.99	1.78	1.54
Whooping Cough	1.34	1.29	1.35	0.22	0.37
Smallpox ..	0.00	0.00	0.00	0.00	-
Scarlet Fever	1.63	1.53	1.57	0.82	0.79
Diphtheria..	1.16	1.29	1.21	0.61	0.12
Enteric Fever	0.07	0.06	0.10	0.06	0.04
Erysipelas..	0.33	0.36	0.30	0.35	0.17
Pneumonia ..	1.20	1.37	1.00	0.87	1.66
Rates per 1,000 Live Births.					
Deaths under 1 year of age	55	61	54	50	50.29
Deaths from Diarrhoea and Enteritis under 2 years of age	4.6	5.9	4.4	5.8	5.92
<b>Maternal Mortality-</b>	Rates per 1,000 Total Births (i.e. Live and Still).				
Puerperal Sepsis	0.52	1.64	Not available		0.00
Others ..	1.64				0.00
Total ..	2.16				0.00
<b>Notifications-</b>					
Puerperal Pyrexia.	11.96	13.90	9.73	13.34	2.89





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# ANNUAL REPORT

OF THE

## Medical Officer of Health

For the Year